



DOCKET NO.: 215942US0XPCT/btm

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IN RE APPLICATION OF: Noriyuki KUNISHI, et al.

PATENT NO.: 6,605,221

GROUP: 1724

ISSUED August 12, 2003

EXAMINER: Robert J. Popovics

FOR: METHOD AND APPARATUS FOR WASHING POLYCARBONATE/ORGANIC  
SOLVENT SOLUTION

**REQUEST FOR CERTIFICATE OF CORRECTION**

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ALEXANDRIA, VA 22313-1450

SIR:

The following is a request for a certificate of correction in Serial Number 09/926,721,  
now Patent Number 6,605,221.

In accordance with the provisions of Rule 322 of the Rules of Practice, which  
implement 35 USC 254, the Patent Office is respectfully requested to issue a certificate of  
correction in the above-identified patent.

In light of the fact that the errors were the fault of the Patent Office, no fees are  
required. The requested corrections are listed on FORM P.T.O. 1050.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.

Customer Number

**22850**

Tel. (703) 413-3000  
Fax. (703) 413-2220  
(OSMMN 08/03)

DOCUMENT8

Norman F. Oblon  
Attorney of Record  
Registration No. 24,618

**Roland E. Martin**  
Registration No. 48,082



DOCKET NO: 215942US0XPCT



ATTORNEYS AT LAW

DIRECTOR OF THE UNITED STATES PATENT AND TRADEMARK OFFICE  
ALEXANDRIA, VIRGINIA 22313

RE: INVENTOR: Noriyuki KUNISHI, et al.  
PATENT NO: 6,605,221  
ISSUED: August 12, 2003  
GROUP ART UNIT: 1724  
EXAMINER: Robert J. Popovics  
FOR: METHOD AND APPARATUS FOR  
WASHING  
POLYCARBONATE/ORGANIC  
SOLVENT SOLUTION

SIR:

Attached hereto for filing are the following papers:

REQUEST FOR CERTIFICATE OF CORRECTION  
CERTIFICATE OF CORRECTION FORM PTO 1050

Our check in the amount of \$ -0- is attached covering any required fees. In the event any variance exists between the amount enclosed and the Patent Office charges for filing the above-noted documents, including any fees required under 37 CFR 1.136 for any necessary Extension of Time to make the filing of the attached documents timely, please charge or credit the difference to our Deposit Account No.15-0030. A duplicate of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,  
MAIER & NEUSTADT, P.C.



22850

Norman F. Oblon

Attorney of Record

Registration No: 24,618

Roland E. Martin

Registration No. 48,082

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## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 5,943,676  
DATED : AUGUST 24, 1999  
INVENTOR(S) : DAVID J. BOOTHBY

It is certified that an error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In the drawings:

Please replace FIGS. 1, 3, 4A, 4B, 5A, 7, 8, 12, 13, 14, 15, 25B, 30 and 31A with the attached FIGS.

MAILING ADDRESS OF SENDER:

G. Roger Lee  
Fish & Richardson P.C.  
225 Franklin Street  
Boston, Massachusetts 02110-2804

PATENT No. 5,943,676  
No. of add'l copies  
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number

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,943,676  
DATED : August 24, 1999  
INVENTOR(S) : David J. Boothby

Page 1 of 13

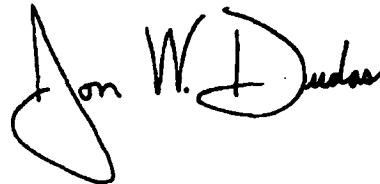
It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Drawings.

Please replace FIGS. 1, 3; 4A, 4B, 5A, 7, 8, 12, 13, 14, 15, 25B, 30 and 31A with the attached FIGS.

Signed and Sealed this

Twenty-third Day of March, 2004

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looping initial "J" and a cursive "Dudas".

JON W. DUDAS  
*Acting Director of the United States Patent and Trademark Office*

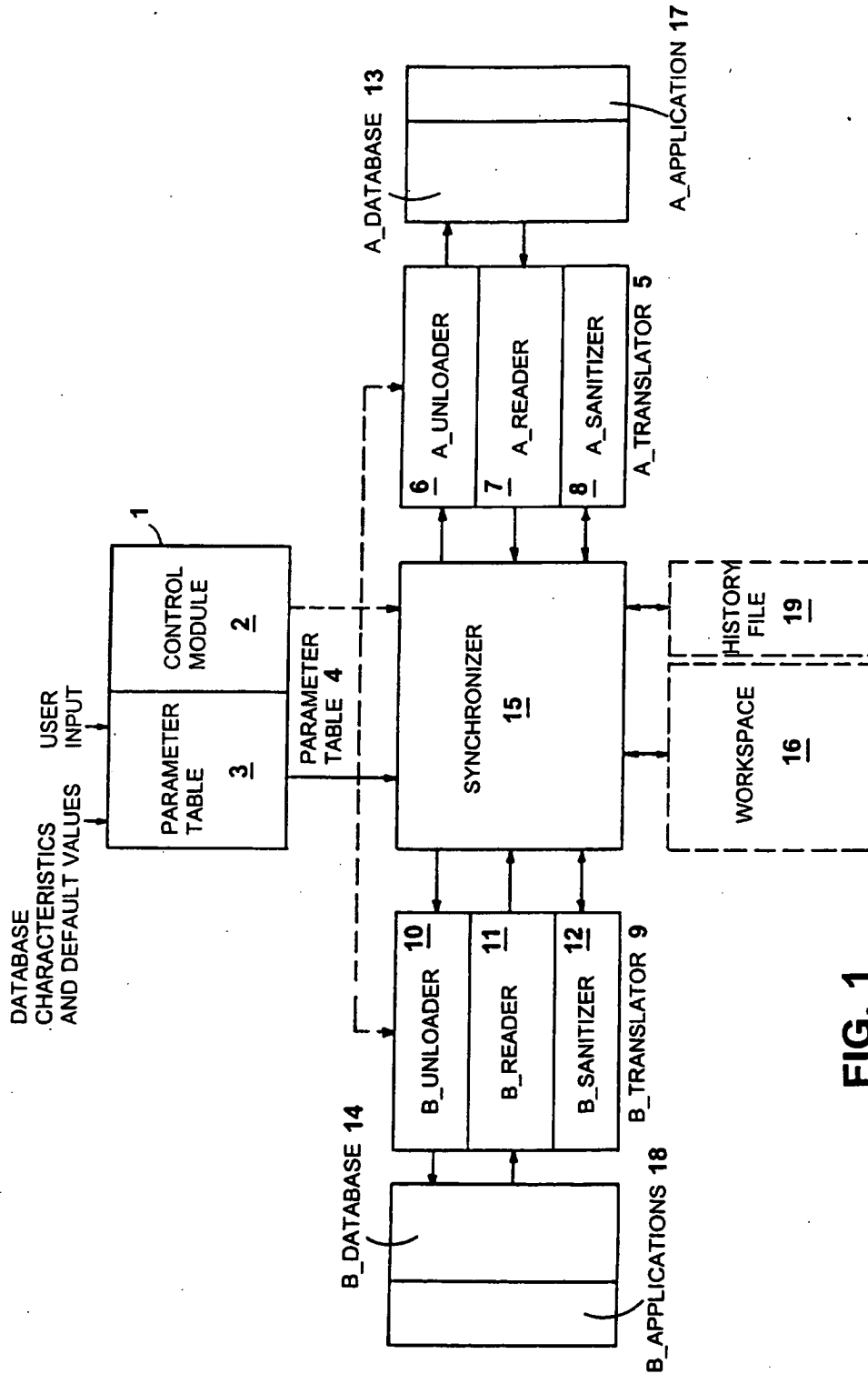


FIG. 1

## Pseudo Code for Translation Engine Control Module

```

100. CREATE Parameter_Table from User Input A & B database characteristics and default values
101. INSTRUCT Synchronizer to initialize itself
102. INSTRUCT Synchronizer to LOAD the History_File into its WORKSPACE
103. INSTRUCT B_Translator to LOAD all of B_records from B_Database and SEND to Synchronizer
    (Synchronizer STORES these records in WORKSPACE)
104. INSTRUCT A_Translator to SANITIZE B_records that were just LOADED (A_Translator USES
    Synchronizer services to read and write records in the WORKSPACE; Synchronizer maps these records
    using the B-A_Map before sending them to A_Translator and maps them back using A-B_Map before
    rewriting them into the WORKSPACE)
105. INSTRUCT A_Translator to LOAD all of A_records from A_Database and SEND to Synchronizer
    (Synchronizer STORES these records in WORKSPACE by first mapping then using the A-B_Map and
    them storing in their new form)
106. INSTRUCT B_Translator to SANITIZE A_records that were just LOADED (B_Translator uses
    Synchronizer services to read and write records in the WORKSPACE)
107. INSTRUCT Synchronizer to do CAAR (Conflict Analysis And Resolution) on all the records in
    WORKSPACE.
108. INFORM user exactly what steps Synchronizer proposes to take (i.e. Adding, Changing, and Deleting
    records). WAIT for User
109. IF user inputs NO, THEN ABORT
110. INSTRUCT B_Translator to UNLOAD all applicable records to B_Database.
111. INSTRUCT A_Translator to UNLOAD all applicable records to the A_Database.
112. INSTRUCT Synchronizer to CREATE a new History File.

```

**FIG. 3**

FIG. 4A

FIG. 4B

FIG. 4

## Pseudocode for Generating Parameter Table

{Get Input from the user}

150. ASK user to whether to synchronize based on a previously stored set of preferences (Previous\_Preferences) or based on a set of new preferences (New\_Preferences)

151. IF New\_Preferences THEN

152. ASK user whether Incremental\_Synchronization or Synchronization\_from\_Scratch

153. ASK user following information and STORE in Parameter\_Table

a. A\_Application and B\_Application Names

b. ADB and BDB Names

c. ADB and BDB Locations

d. Which sections to Synchronize

e. Conflict Resolution Option: IGNORE, ADD, DB WINS, BDB WINS, or NOTIFY

f. Other user preferences

154. ASK user whether wants default mapping for the selected sections of the two databases or wants to modify default mapping

155. LOAD A\_Database-B\_Database (2)

156. IF Default\_Mapping THEN

157. STORE A-B\_Map AND B-A\_Map in Parameter\_Table

158. END IF

159. IF Modified\_Mapping THEN

160. DISPLAY A-B\_Map and B-A\_Map

161. ASK user to modify Maps as desired

162. STORE the new A-B\_Map and B-A\_Map in the Parameter\_Table

163. END IF

165. END IF

FIG. 4A

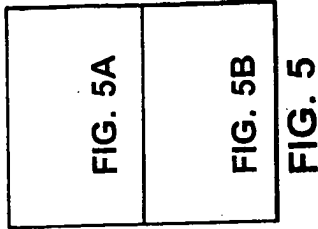
```

166. IF Previous_Preferences THEN
167.     ASK user whether Incremental_Synchronization or Synchronization_from_Scratch
168.     STORE in Parameter_Table
169.     LOAD Previous Preferences regarding which databases, mapping, and so on
170.     STORE in the Parameter_Table
171. END IF
    {User now specifies Date Range}
172. ASK user to choose Date Range Option
    a. Previously chosen Automatic_Date_Range calculated from today
    b. Input New Automatic_Date_Range
    c. Input static Date Range for this Synchronization
    d. All dates
173. CALCULATE Start_Current_Date_Range and End_Current_Date_Range based on values from step 171
174. STORE in Parameter_Table
175. LOAD parameters setting out characteristics of A_Database and B_Database from Parameters database,
    including
    a. Field_List_A and Field_List_B
    b. A_Translator and B_Translator Module Identifiers
    c. ADB_Section_Names and BDB_Section_Name
176. STORE in Parameters Table

```

**FIG. 4B**





200. RECEIVE following from Parameter Table

- 1) Name of A\_App
- 2) Name of B\_App
- 3) Name and Location of A\_DB
- 4) Name and Location of B\_DB

5) Section name of A\_Application to be synchronized

6) Section name of B\_Application to be synchronized

7) Incremental\_Synchronization or Synchronization\_From\_Scratch Flags

SEARCH for H\_File matching Parameters 1-6

If Found H-File and Incremental\_Synchronization THEN DO nothing

IF Found H-File and Synchronization\_from\_Scratch, THEN DELETE H\_File

IF NOT found H-File, THEN SET Synchronization\_from\_Scratch AND ASSIGN file name for history file.

205. LOAD from Parameter\_Table Start\_Date\_Range and End\_Current\_Date\_Range

206. LOAD from Parameter\_Table Field\_Lists for A-DB and B-DB and field and mapping information

If Incremental\_Synchronization THEN COMPARE Field\_Lists and Maps from Parameter\_Table with History\_Field\_Lists and Maps

IF exact match THEN DO nothing

IF not exact match THEN DELETE H\_file AND SET Synchronization\_from\_Scratch

210. CREATE WORKSPACE using Field\_List\_B

211. If Incremental\_Synchronization THEN Copy H\_file into WORKSPACE

212. FOR each H-Record update

{analyze & update source of extended index}

Do Nothing to NEXT\_IN\_FIG

FIG. 5A

213.  
214.

## Pseudocode for Key\_Field\_Match

```
250. RECEIVE Key_Field_Hash and WORKSPACE_ID
251. For all records in WORKSPACE
252.     IF Match_Hash_Value equals Hash Values of Record THEN LOAD the two records
253.     COMPARE the key fields two records
254.     IF Exact Match THEN SET Match_Found
255.     EXIT LOOP
256.     END IF
257. END LOOP
258. If Match_Found THEN SEND Success Flag and WORKSPACE ID of Matching record
```

FIG. 7

**Pseudocode for Conflict Analysis And Resolution (CAAR)**

- 500. Analyze ID\_Bearing FIGS.
- 501. Analyze and expand ID\_bearing CIGs
- 502. Finding Matches between Recurring Items and Non-Unique ID bearing Instances
- 503. Analyze SKGs
- 504. SET CIG Types

**FIG. 12**

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Aug. 24, 1999

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## Pseudo Code for EXPANDING ID\_BASED CIGs

```

600. For each H_record,
601.   IF single record CIG, THEN GO TO END LOOP
602.   IF triple record CIG, THEN REMOVE CIG records from their SKGs
603.   IF Dependent FIG, THEN GO TO END LOOP
604.   IF record needed to make triple has to be from a DB with unique ID, THEN GO TO END
      LOOP
605.   For all members of SKG to which H_record belongs
606.     IF Non_Key_Field_Hash of H_record and SKG_record Match, THEN
607.       IF Exact Match of all fields with H item THEN Strong_Match is found END
        IF
608.       ELSE
609.       IF H_Record is a Recurring Master, THEN Find Fanned Instance (Table
        Recurring Master/Instance Match) which is Strong_Match
610.       END IF
611.     END LOOP
612.   IF Strong_Match is found AND IF the SKG_Record is Weak_Match member of a CIG, THEN
613.     REMOVE SKG Record from Weak_Match CIG AND Seek Alternate Weak_Match for
      the CIG
614.     ADD SKG record to Current doubleton CIG AND Record for the Weak_Match_CIG
615.     REMOVE all records in CIG from SKG
616.   END IF
617.   IF Strong Match is NOT found, THEN FIND Weak_Match
618.   IF Weak Match is found, THEN create Weak_CIG
619.   ELSE REMOVE all records in CIG from SKG
620.   END IF
621. END LOOP

```

FIG. 14

## Pseudo Code for Finding Weak Matches for a Record

```
622.   FOR EVERY Record in SKG
623.     IF (SKG record is from same database as records for which match is sought OR
624.       SKG record already is a Weak_Match record in a CIG OR
625.       SKG record is a Dependent_FIG OR
626.       SKG record is Non_Recurring AND records for which is sought are not, OR
627.       SKG record is Recurring AND records for which is sought are not)
628.       THEN
629.         GO TO END LOOP
630.       ELSE
631.         If recurring item OR Key_Date_Field match Exactly, THEN Weak_Match is found
632.         END IF
633.       END LOOP
```

FIG. 15

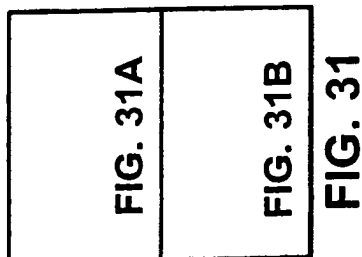
```
920. IF Outcome = ADD, THEN
921.   GET Current values of all Fields, from Synchronizer
     (Synchronizer maps for A database based on B-A, in response to each request)
922.   CREATE new RECORD in DB
923.   IF Unique_ID DB, THEN GET Unique_ID
924.   SEND to Synchronizer (Success FLAG with any Unique_ID) OR (Failure Flag)
925.   Synchronizer: Store Unique_ID in WORKSPACE
926.   END IF
927. IF Outcome is UPDATE THEN GET Current values to be unloaded and original values loaded
     from database from Synchronizer
928.   COMPARE and DETERMINE which Field to be updated
929.   UPDATE fields in the record to be updated
930.   SEND to Synchronizer (Success flag AND Unique_ID) OR (Failure Flag)
931.   Synchronizer: STORE Unique_ID in WORKSPACE
932.   END IF
933. END LOOP
```

**FIG. 25B**

1050. Verify History File  
1051. If verified, Then Proceed as Fast Synch  
1052. If not, Then Proceed as Synchronization from Scratch load all record in database

1053. If Fast Synch  
1054. LOAD records into the Workspace. Map if necessary  
1055. Sanitize Records not marked as Deletion  
1056. Orientation analysis (Fig. 11).  
1057. For each H\_Record, analyze the CIG that the H\_Record belongs to.  
1058. IF the H\_Record's CIG contains no Record from the Fast Synchronization database,  
THEN CLONE the H-Item, label it a Fast Synchronization Record, and add it to the  
H\_Record's CIG.  
1059. If the H\_Record's CIG contains a Fast Synchronization record that is marked as a  
Deletion, it is now removed from the CIG.  
1060. If the H\_Record's CIG contains a non-Delete Fast Synchronization Record, then do  
nothing.  
1061. END LOOP

FIG. 30



1150. Verify History File  
1151. If verified, Then Proceed as Fast Synch  
1152. If not, Then Proceed as Synchronization from Scratch
1153. IF synchronization from scratch  
1154. IF record outside of current\_date\_range THEN MARK record as out-of-range
1155. If Fast Synch  
1156. Load History File into Workspace  
1157. MARK History File records outside of previous\_date\_range as Bystander  
1158. Load All Fast Synchronization Records into the Workspace; mapped if necessary.  
1159. SANITIZE Records which are not DELETES  
1160. Orientation analysis (Fig. 11).  
1161. If Added Fast Synchronization record is out of current date range THEN MARK Out-Of\_Range  
1162. If Changed or deleted Fast Synchronization record in a CIG with Bystander H\_Record, MARK the Bystander record as Garbage

FIG. 31A



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UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 5,943,676  
DATED : AUGUST 24, 1999  
INVENTOR(S) : DAVID J. BOOTHBY

811015

PR

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In the drawings:

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X

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G. Roger Lee  
Fish & Richardson P.C.  
225 Franklin Street  
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